

RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.**

Application Serial Number: 10/533,401
Source: PGT
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PCT

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/533,401

DATE: 07/07/2006

TIME: 14:30:40

Input Set : A:\pto.kd.txt
 Output Set: N:\CRF4\07072006\J533401.raw

3 <110> APPLICANT: Abbas,Alex
 4 Bodary,Sarah C.
 5 Clark,Hilary
 6 Schoenfeld,Jill
 7 Wood,William I.
 8 Wu,Thomas D.
 10 <120> TITLE OF INVENTION: Compositions and Methods for the Treatment of
 11 Rheumatoid Arthritis
 13 <130> FILE REFERENCE: P1998R1-US
 15 <140> CURRENT APPLICATION NUMBER: US 10/533,401
 16 <141> CURRENT FILING DATE: 2005-04-28
 18 <150> PRIOR APPLICATION NUMBER: PCT/US03/36002
 19 <151> PRIOR FILING DATE: 2003-11-12
 21 <150> PRIOR APPLICATION NUMBER: US 60/425,931
 22 <151> PRIOR FILING DATE: 2002-11-12
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 27 <211> LENGTH: 2984
 28 <212> TYPE: DNA
 29 <213> ORGANISM: Homo sapiens
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 36 cacagacagg agagagtca g tggcaaata g acatttttt tatttttttaa 150
 38 aaaacagcaa cttgtttgct acttttattt ctgttgattt ttttttttg 200
 40 gtgtgtgtgg tgggtgtttt taagtgtgga gggcaaaagg agataaccatc 250
 42 ccagggctca g tccaaccctt ctccaaaacg gctttctga cactccaggt 300
 44 agcgaggagg ttgggtctcc aggttgtgcg aggagcaa at gatgaccggcc 350
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 72 aatgatccca gactatcctg gattcttcc atctcagtgc cagagagacc 1050
 74 tacatggtac agctggccca gaccgtaagc ccttccctg cccactggac 1100

pp 6-7

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 82 gcccggccg ccgcctataaa cccacaccac ctgcactgcg ggcccattct 1300
 84 gagggctcgc aagtacccca acagacccag caagacgcgc gtgcacgaga 1350
 86 ggccttaccc gtgcccagca gaaggctgcg accggcggtt ctcccgtct 1400
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 164 Leu Ala Ala Thr Ser Val Thr Ile Phe Pro Asn Ala Glu Leu Gly
 165 35 40 45

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 168 50 55 60
 170 Asn Ile Asp Met Thr Gly Glu Lys Arg Ser Leu Asp Leu Pro Tyr
 171 65 70 75
 173 Pro Ser Ser Phe Ala Pro Val Ser Ala Pro Arg Asn Gln Thr Phe
 174 80 85 90
 176 Thr Tyr Met Gly Lys Phe Ser Ile Asp Pro Gln Tyr Pro Gly Ala
 177 95 100 105
 179 Ser Cys Tyr Pro Glu Gly Ile Ile Asn Ile Val Ser Ala Gly Ile
 180 110 115 120
 182 Leu Gln Gly Val Thr Ser Pro Ala Ser Thr Thr Ala Ser Ser Ser
 183 125 130 135
 185 Val Thr Ser Ala Ser Pro Asn Pro Leu Ala Thr Gly Pro Leu Gly
 186 140 145 150
 188 Val Cys Thr Met Ser Gln Thr Gln Pro Asp Leu Asp His Leu Tyr
 189 155 160 165
 191 Ser Pro Pro Pro Pro Pro Pro Tyr Ser Gly Cys Ala Gly Asp
 192 170 175 180
 194 Leu Tyr Gln Asp Pro Ser Ala Phe Leu Ser Ala Ala Thr Thr Ser
 195 185 190 195
 197 Thr Ser Ser Ser Leu Ala Tyr Pro Pro Pro Ser Tyr Pro Ser
 198 200 205 210
 200 Pro Lys Pro Ala Thr Asp Pro Gly Leu Phe Pro Met Ile Pro Asp
 201 215 220 225
 203 Tyr Pro Gly Phe Phe Pro Ser Gln Cys Gln Arg Asp Leu His Gly
 204 230 235 240
 206 Thr Ala Gly Pro Asp Arg Lys Pro Phe Pro Cys Pro Leu Asp Thr
 207 245 250 255
 209 Leu Arg Val Pro Pro Pro Leu Thr Pro Leu Ser Thr Ile Arg Asn
 210 260 265 270
 212 Phe Thr Leu Gly Gly Pro Ser Ala Gly Val Thr Gly Pro Gly Ala
 213 275 280 285
 215 Ser Gly Gly Ser Glu Gly Pro Arg Leu Pro Gly Ser Ser Ser Ala
 216 290 295 300
 218 Ala Ala Ala Ala Ala Ala Ala Ala Tyr Asn Pro His His Leu
 219 305 310 315
 221 Pro Leu Arg Pro Ile Leu Arg Pro Arg Lys Tyr Pro Asn Arg Pro
 222 320 325 330
 224 Ser Lys Thr Pro Val His Glu Arg Pro Tyr Pro Cys Pro Ala Glu
 225 335 340 345
 227 Gly Cys Asp Arg Arg Phe Ser Arg Ser Asp Glu Leu Thr Arg His
 228 350 355 360
 230 Ile Arg Ile His Thr Gly His Lys Pro Phe Gln Cys Arg Ile Cys
 231 365 370 375
 233 Met Arg Asn Phe Ser Arg Ser Asp His Leu Thr Thr His Ile Arg
 234 380 385 390
 236 Thr His Thr Gly Glu Lys Pro Phe Ala Cys Asp Tyr Cys Gly Arg
 237 395 400 405
 239 Lys Phe Ala Arg Ser Asp Glu Arg Lys Arg His Thr Lys Ile His

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264 ggagcctggc cccgctgttc tgctggctga gggcaacctt ctggctgcta 150
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278 tgcaaagtag agttgcgcgt gcccagcgtg agcacatgtg gcaatggaaag 500
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286 gtgtgttagg gattataagag tcgctttcaa gataaatct gtcttaatc 700
288 gttcaacgt ggaagaggac atgacggAAC agatcaaAGC actaaaccct 750
290 gtcgcgtgaa aagtgttcca gtgccttta attgagggtg agaattgtgg 800
292 agaagatgtc ctaagagaag cagaaaagatt tggatgttgg gatgaaagat 850
294 ttgaaagatt ctggagcgc cacaaggaaag tggctgtt ggtgcctgaa 900
296 tctaaccaga agatgaaaga ctcttacattt attctggat aatatatgcg 950
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324 tgacagagtc agtattttt gccaaatatc cagataacca gtttccat 1650
326 ctgagacatt acaaagatc tgctcaatt atttctgt gttataatgc 1700
328 tttttttttt ttqccctttaa qccattqcaq tcttqactt tttactgtg 1750

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Output Set: N:\CRF4\07072006\J533401.raw

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 338 acaaagatac gctttccatt tgatgatgga gttgacatgg aggcaagtgt 2000
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 360 aaaaaaaaaa aaaaaaaaaa aaaaggccaa ggaaaaaaaaa tatttctact 2550
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 368 tgtctaaagct atgatgacct tcataataatc agcataaaaca taaaacaaat 2750
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 379 <213> ORGANISM: Homo sapiens
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 385 Val Phe Arg Gln Pro Leu Ser Ser Leu Trp Arg Ser Leu Val Pro
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 388 Leu Phe Cys Trp Leu Arg Ala Thr Phe Trp Leu Leu Ala Thr Lys
 389 35 40 45
 391 Arg Arg Lys Gln Gln Leu Val Leu Arg Gly Pro Asp Glu Thr Lys
 392 50 55 60
 394 Glu Glu Glu Asp Pro Pro Leu Pro Thr Thr Pro Thr Ser Val
 395 65 70 75
 397 Asn Tyr His Phe Thr Arg Gln Cys Asn Tyr Lys Cys Gly Phe Cys
 398 80 85 90
 400 Phe His Thr Ala Lys Thr Ser Phe Val Leu Pro Leu Glu Glu Ala
 401 95 100 105
 403 Lys Arg Gly Leu Leu Leu Lys Glu Ala Gly Met Glu Lys Ile
 404 110 115 120
 406 Asn Phe Ser Gly Gly Glu Pro Phe Leu Gln Asp Arg Gly Glu Tyr
 407 125 130 135
 409 Leu Gly Lys Leu Val Arg Phe Cys Lys Val Glu Leu Arg Leu Pro
 410 140 145 150
 412 Ser Val Ser Ile Val Ser Asn Gly Ser Leu Ile Arg Glu Arg Trp

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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

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RAW SEQUENCE LISTING ERROR SUMMARY DATE: 07/07/2006
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Seq#:205; Xaa Pos. 84

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L:1002 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:2050
M:341 Repeated in SeqNo=8
L:1051 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:45
L:3602 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:39 after pos.:50
M:341 Repeated in SeqNo=39
L:3643 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:40 after pos.:15
M:341 Repeated in SeqNo=40
L:6404 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:78 after pos.:90
L:9015 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:98 after pos.:1100
L:9175 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:100 after pos.:2150
M:341 Repeated in SeqNo=100
L:11593 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:127 after pos.:1150
M:341 Repeated in SeqNo=127
L:11895 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:131 after pos.:350
M:341 Repeated in SeqNo=131
L:14258 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:158 after pos.:400
M:341 Repeated in SeqNo=158
L:15433 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:170 after pos.:30
L:17038 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:204 after pos.:250
M:341 Repeated in SeqNo=204
L:17193 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:205 after pos.:75